Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. – 57. (Canceled)

58. (Currently Amended) A method for determining the presence of ~~an~~ a human adenine nucleotide translocator (ANT) polypeptide in a biological sample comprising:

contacting a biological sample suspected of containing ~~an~~ a human ANT polypeptide with an ANT ligand under conditions and for a time sufficient to allow binding of the ANT ligand to ~~an~~ a human ANT polypeptide; and

detecting the binding of the ANT ligand to ~~an~~ a human ANT polypeptide, and therefrom determining the presence of ~~an~~ the human ANT polypeptide in said biological sample,

wherein the ANT ligand comprises atractyloside substituted at 6' hydroxy to form an atractyloside derivative.

59. (Canceled)

60. (Currently Amended) The method of claim ~~59~~ 58 wherein the human adenine nucleotide translocator polypeptide comprises a polypeptide that is selected from the group consisting of ~~is~~ ANT1, ANT2 and ANT3.

61-63. (Canceled)

64. (Currently Amended) The method of claim ~~63~~ 58 wherein the atractyloside is detectably substituted at the 6' hydroxyl to form a detectable atractyloside derivative.

65. (Original) The method of claim 64 wherein the detectable atractyloside derivative comprises a radioloabeled substituent.

66. (Original) The method of claim 65 wherein the radiolabeled substituent is selected from the group consisting of ^{125}I, ^{131}I, ^{3}H, ^{14}C and ^{35}S.

67. (Original) The method of claim 64 wherein the detectable atractyloside derivative comprises a fluorescent substituent.

68. (Original) The method of claim 67 wherein the ANT ligand further comprises a Eu^{3+} atom complexed to the atractyloside derivative.

69. (Original) The method of claim 64 wherein the detectable atractyloside derivative comprises covalently bound biotin.

70. (Currently Amended) The method of claim ~~63~~—58 wherein the atractyloside molecule is substituted at 6' hydroxyl with an amine or an amine containing functionality to form an amine modified atractyloside derivative.

71. (Currently Amended) The method of any one of claims ~~63~~58 and 64-70 wherein the atractyloside molecule is a carboxyatractyloside molecule that is substituted at 6' hydroxyl to form an atractyloside derivative that is a carboxyatractyloside derivative.

72. (Currently Amended) A method for isolating a human adenine nucleotide translocator (ANT) polypeptide from a biological sample, comprising:

contacting a biological sample suspected of containing a humann ANT polypeptide with an ANT ligand under conditions and for a time sufficient to allow binding of the ANT ligand to athe humann ANT polypeptide; and

recovering the human ANT polypeptide, and thereby isolating human ANT from a biological sample.

73. (Original) The method of claim 72 wherein the ANT ligand is covalently bound to a solid phase.

74. (Original) The method of claim 72 wherein the ANT ligand is non-covalently bound to a solid phase.

75. – 112. (Canceled)